

PAVLOV, K.; ENEV, K.

A case of diffuse hemangiosis of the spleen. Khirurgiia, Sofia 14
no. 8:751-753 '61.

1. Iz I obedinena gradska bolnitsa, Sofiia.

(SPLKEN neopl) (HEMANGIOMA case reports)

ENEV, K.

Stercoral-purulent fistulae of specific etiology. Khirurgia 15
no.8:701-711 '62.

1. I gradска обединена болница - София, Gl. lekar; L. Tenev.
(INTESTINAL FISTULA)
(TUBERCULOSIS GASTROINTESTINAL)

ENEV, K.; IANUSH, V.; BOTEV, S.

Lithiasis of the common bile duct according to experiences
of the surgical ward of the 1st City Unified Hospital in
Sofia. Khirurgiia 15 no.9/10:934-938 '62.

(CHOLELITHIASIS)

ENEV, K.; PAVLOV, K.; ZLATEV, St.

On some liver and bile duct anomalies. Suvr. med. 14 no.12:
21-31 '63.

X

ENEV, K.; PAVLOV, K.

A case of lymphangioma of the stomach. Khirurgia (Sofia) 16
no.2:195-197 '63.

1. In khirurgichnoto otdelenie na I gr. obedinenata bolnitsa -
Sofia.
(STOMACH NEOPLASMS) (LYMPHANGIOMA)

ENEV, K.

For more radical surgical methods in hepatic echinococcosis.
Khirurgiia (Sofiia) 16 no.6:497-506 '63.

1. I gradska obedinena bolnitsa - Sofiia. Gl. lekar: L. Tenev.
(ECHINOCOCCOSIS, HEPATIC) (HEPATECTOMY)

PAVLOV, K.; ENEV, K.

Liver changes in cholelithiasis and choledocholithiasis.
(Clinico-anatomical studies). Khirurgiia (Sofiia) 16 no.8:
723-734 '63.

1. I gradска обединена болница - София. Gl. lekar: L. Tenev.
(CHOLELITHIASIS) (COMMON BILE DUCT CALCULI)
(LIVER) (PATHOLOGY)

ENEV, K., VELCHEV, V.; MUKHLOV, V.

Clinical analysis of 98 patients with obstructive jaundice.
Khirurgiia (Sofiia) 16 no.12:1073-1081 '63.

1. Purva gradска обединена болница, Софиа. Гл.лекар L.Tenev.

PAVLOV, K.; ENEV, K.

A case of emphysematous cystitis. Khirurgiia (Sofia) 17
no.1:109-112 '64

1. Iz khirurgichnoto i patologoanatomichnoto otdelenie na
I gradska bolnitsa, Sofia.

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ENEV, K.; VELCHEV, V.

Our experience with stomach surgery in the aged. Khirurgiia
17 no.2:202-206 '64.

1. Iz khirurgichnoto otdelenie na I gr. obedinena bolnitsa -
Sofiia.

ENEV, K.; BOTEV, St.

Surgery of the liver and biliary tract in aging patients.
Khirurgiia 17 no.2:218-220 '64.

I. Iz khirurgichnogo otdelenie na I gr. obedinenaya bolnitsa -
Sofiia.

ENEV, N.; KARAKOSTOV, K.

Our experience with lumotomy according to Pressman. Khirurgiia,
Sofia 13 no.2-3:276-278 '60.

1. Is khirurgichnoto otdelenie pri I gr. obedinenia bolnitsa - Sofiia.
(KIDNEYS surg.)

BULGARIA

N. ENEV [Affiliation not given]

"Erythrocyte Sedimentation in Solutions of Primary and Tertiary Sodium Citrate."

Sofia, Suvremenna Meditsina, Vol 14, No 2, 1963; pp 53-56.

Abstract [English summary modified] : Comprehensive laboratory and statistical (least square analysis) studies of ESR test results with 118 patients' blood specimens confirmed that inadvertent use of primary instead of tertiary sodium citrate results in an artefactual prolongation of ESR. A 3.8% solution of the primary salt has a pH of about 4.5 as compared with about 7 for the tertiary compound. Chemical structures of the two citrates.

1/1

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Enev,N.

Technic for determining small quantities of substances
with Pulfrich's photometer. Suvr.med. 14 no.11:25-29 '63.

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ENEV, N.; GORANOV, Iv.

Determination of cholesterol in serum alpha- and beta-lipoproteins.
Suvr. med. (Sofiia) 16 no.3:159-165 '65.

1. Viessh veterinarno-meditsinski institut, Sofiia (nachalnik dots.
N. Kupenov). Submitted November 1963.

L 39545-66 GD

ACC NR: AP6008470

SOURCE CODE: BU/0016/65/000/003/0159/0165

AUTHOR: Enev, N.; Goranov, Iv.

Z
B

ORG: VVMI

TITLE: Cholesterol in serum alpha- and beta-lipoproteins

SOURCE: Suvremenna meditsina, no. 3, 1965, 159-165

TOPIC TAGS: biochemistry, quantitative analysis, photometer

ABSTRACT: This paper reports a modification of the method for determination of the quantity of cholesterol in alpha- and beta-fractions of lipoproteins which makes it possible to use this test in clinical laboratories which have a Pulfrich photometer. The results of tests for various diseases and in healthy control persons are presented. The clinical importance of the method and of the altered interrelations in the quantity of cholesterol in both fractions is discussed. Orig. art. has: 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 00Nov63 / ORIG REF: 001 / OTH REF: 011

SOV REF: 001

Card 1/1 11b

ENEV. N.

Bulgaria

Higher Military Medical Institute, Laboratory Section (VVMI-Laboratorno otdelenie), Instructor: N. ENEV.

Sofia, Vutreshni Bolesti, No 3, 1966, pp 384-387.

"Ultramicroexpress Method for Determining of Prothrombin Index."

ENEV, S.

"Enzymatic Scrubbing of Cotton Fabrics." p. 9,
(LEKA PROMISHLENOST, Vol. 3, No. 3, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

ENEV, S.

Shrinkage of cotton cloth in the finishing process. p. 23.
Vol. 5, no. 2, Mar./Apr. 1956, TEKHNIKA, SOFIYA, BULGARIA.

Source: East European Accessions Lists, (EEAL) Library of Congress, Vol. 5, No. 10
Oct. 1956.

ENEV, S.

ENEV, S. Possibility of improving the technology of dyeing olive-colored cotton fabrics with sulfureous dyes and increasing their durability. p. 35. Vol. 5, no. 8, 1956 ELEKTROENERGIJA. Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4--April 1957

TSIPORANOV, A., ml. nauch. sutr.; STRIASKOV, N., ml. nauch. sutr.;
NAROV, L.; ENEV, St., dotsent

Spinning, weaving and finishing technology of synthetic and
artificial cloth mixtures on cotton equipment. Trud Inst tekstil
prom 2:113-125 '62.

1. The Karl Marx Higher Institute of Economics (for Enev).

ENEVA, S.

Some shortcomings in the labor productivity in the Factory
of Refractory Materials. Tekh delo 500: 2 24N '63.

1. Zav. sektsii pri Sofiiske okruzhno rukovodstvo na NTS.

ENEVA, Savka

~~Modernization of mechanical looms. Tekh delo 501:2, 30 N '63.~~

1. Zavezhdashch sektsei pri Sofiiskoto okruzhno rukovodstvo
na NTS.

EMEV, Stoiko, date. insh.

Possibilities of obtaining a better quality of sheetings
manufactured in Bulgaria. Tekstilna prom 12 no.1:26-28 '63.

1. Vissash ikonomicheski institut "Karl Marks", Sofia.

ENEV, Stoiko, dots. inzh.; MINKOVA, Rosa, inzh., nauch.sutrudnik

Improving anticrease finish of cellulose fabrics without sharp decrease in their resistance to rubbing. Tekstilna prom 13 no. 5:26-30 '64.

1. The Karl Marx Higher Institute of Economics, Sofia (for Enev).
2. Scientific Research Institute of the Textile Industry, Sofia (for Minkova).

ENEV, Stoiko, dots. inzh.; SERAFIMOV, Serafim, inzh., st. prep..

Fifth International Congress of Dyers. Tekstilna prom 14 no.1:
46-48 '65.

ENEXCU, GH.

Wood consumption per ton of newsprint mechanical pulp in the 1 Septembrie
Paper Mill. p. 222.

CELULOZA SI MIRTIE. (Asociatia Stiintifica a Inginerilor si Technicienilor
din Romania si Ministerul Industriei Petrolului si Chimie) Bucuresti, Romania.
Vol. 8, no. 7, July 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 5, no. 2, Feb. 1960.

Uncl.

EMEYEV, T.M.; PLATONOV, A.K.; KAZAKOVA, R.K.

Determining parameters of the orbit of an artificial satellite
according to data on ground observations. Isk.sput.Zem.
no.4:43-55 '60. (MIRA 13:5)
(Artificial satellites) (Orbits)

AKIM, E.L.; ENYEV, T.M.

Determining the parameters of motion of a space vehicle from
trajectory measurement data. Kosm. issl. 1 no.1:5-50 J1-Ag
'63. (MIRA 17:4)

ACC. NR: AP6033389

SOURCE CODE: UR/0293/66/004/005/0651/0669

AUTHOR: Enceyev, T. M.

ORG: none

TITLE: On the application of the gradient method in problems of optimal control theory

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 5, 1966, 651-669

TOPIC TAGS: optimal control, Bryson gradient method, variational problem, numerical solution, control theory, function analysis

ABSTRACT: For the dynamic system described by the equation

$$\dot{x}_i + X_i(t; x_1, x_2, \dots, x_n; u_1, u_2, \dots, u_m) = 0 \quad (i = 1, 2, \dots, n), \quad (1)$$

where t is an independent variable, x_1, x_2, \dots, x_n are variables describing the state of the system at given t (phase coordinates), and u_1, u_2, \dots, u_m are control functions, the following variational problem is formulated: to find u_1, u_2, \dots, u_m such that the performance functional

$$J_0 = J_0(t_k; x_1^k, x_2^k, \dots, x_n^k), \quad (2)$$

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UDC: 518.6:62-50

ACC NR: AP6033389

where J_0 is a continuous function of its arguments, has first and second derivatives with respect to its arguments, and x_1^k are the values of x_1 at $t = t_k$, is extremized. Under the assumption that t_k and x_1^k are constrained by p ($p \leq n - 1$) equations and the constraints on the control functions u_i are of the inequality type, the solution of the optimal control problem is sought by the gradient method developed by A. E. Bryson and his co-workers (J. Aerospace Sci., 29, April 1962) which consists of improving the control function $u(t)$ by adding to its initial value (not optimal value) the properly selected first variation $\delta u(t)$. It is pointed out that there is no proof that any initial nonoptimal control can be improved by applying the Bryson method. The author studies a series of questions connected with substantiation of the Bryson method and presents one possible version of its realization. The basic problem of the method consists in determining the first variation of the functional $J_r(r = 0, 1, \dots, p)$. The procedure of determining the first variation of J_r in the form

$$\delta J_r = \int_{t_0}^{t_p} \sum_{j=1}^m \Phi_r^{(j)} \delta u_j dt, \quad (3)$$

where $\Phi_r^{(j)}$ (the influence functions) are known functions of t calculated by given support functions $u(t)$, is presented for arbitrary variations of control functions. The methods for constructing $\delta u(t)$ and for improving the control function are

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ACC NR: AP6033389

described first for the case of one control function and later generalized to many control functions. A detailed algorithm for numerical solution of an optimal control problem consisting of fifteen operations is presented. As an illustration of the method, the well known variational problem concerning the optimal variation of the thrust ensuring that a rocket will reach its maximum altitude is solved. A comparison of these results with the results obtained by other methods indicates that the algorithm presented here made it possible to obtain sufficiently accurate solutions of the variational problem despite the fact that the initial approximation differed substantially from the solution to be determined. It is pointed out that this method is labor consuming and the application of high-speed electronic computers is necessary. Orig. art. has: 1 figure and 72 formulas.

SUB CODE: 12 / SUBM DATE: 14May66 / ORIG REF: 002 / OTH REF: 004 /

Card 3/3

ENEYEV, T. M. (Moscow)

"Some problems of the determination of space vehicle orbits from trajectory measurements".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964.

ENFEDZHIEV, M.

Perineal prostatectomy: experiences and results. Khirurgija,
Sofia 8 no.1:51-58 1955.

I. Okruzhna bolnitsa "D-r. Racho Angelov" - Sofia. Gl. lekar:
Khr. Manchev urologichno otdelenie Zaveshdashchi: M. Enfedzhiev.
(PROSTATE, surgery,
perineal excise.)

[REDACTED]
[REDACTED], M.; BOIADZHIEV, S.; LEVI, S.

On classification of tuberculosis of the urogenital organs.
Khirurgia (Sofia) 17 no. 3:337-340 '64.

1. Bolnitsa za kostno-stavna i pikocho-polova tuberkuloza
(Gl. lekar: Zh. Lareov).

INFEDZHIEV, M. H.

Hephrolithiasis - causes, distribution, prevention. Suvzem, med.
Sofia 11 no.2-3:192-201 '60.

1. Iz Sofiiskata okrushna bolnitsa "D-r Bacho Angelov", Glaven
lekar: Khr. Manchev.
(URINARY CALCULI)

ENFEDZHIEV, M. N.

Treatment of urinary calculi with mineral waters. Suvrem med., Sofia
no.2:47-53 '61.

1. Urologichno otdelenie na Sofiiskata okruzhna bolnitsa "D-r P.
Angelov" (Glav. lekar Khr. Manchev.)

(URINARY CALCULI ther)
(MINERAL WATERS ther)

ENFEDZHIEV, M. N., BOIADZHIEV, St.; LEVI, N.

Our observations on urogenital tuberculosis and on its therapy. Suvr. med. 12 no.11:75-81 '61.

1. Iz urologichnoto otdelenie na bolnitsata za kostno-stavna i urologichna tuberkulosa v Sofiia Pancharevo (Gl. lekar Zh. Lereov).

(TUBERCULOSIS UROGENITAL)

ENFIADZHYAN, A. K.

"Automatic Control for a Carbide Furnace," Prom. Energet., No.6, 1948

Kirov-Kansk Chemical Factory

ENFIADZHYAN, L.A.

ENFIADZHYAN, L.A.

Growing pistachios in the Idzhevan District. Izv. AN Arm. SSR. Biol. i
sel'khoz. nauki 7 no.2:17-32 '54. (MLRA 9:8)

1. Upravleniye vinogradarstva i plodovodstva Ministerstva sel'skogo
khozyaystva Armyskoy SSR i Usuntalinskiy gospitomnik.
(Idshevan District--Pistachio)

ENFIADZHIAN L. A.

ENFIADZHIAN, L.A.

Some ornamental forms of the pomegranate. Inv. AN Arm. SSS. Biol. i
sel'khoz. nauki 9 no.9:109-115 S '56. (MIRA 9:11)
(Armenia-Pomegranate) (Plants, Ornamental)

ENFIADZHYAN, L. A.

Soviet
Geophysical
Research Institute
Scientific Meeting of the Tbilisi Scientific Research Institute
of Hydrometeorology (Tbilinsky meteys v tiflissinskii in-ta
nauchno-issledovaniia-gidrometeorologicheskogo in-ta)

May 24/25
1959

Geophysics 1. Glaciology. Lr. 2. M. Ye. - 71 (rus.)

In May 1959 the Tbilisi geophysical research institute held a meeting in which the following representatives participated: Representatives of the Tbilisi hydrometeorological institute (Central Forecasting Institute), Glavnoye gosfizicheskoy observariorii (Main Geophysical Observatory) and the local administration of the Armenian Soviet Socialist Republics, on the occasion of the first anniversary of the Tbilisi Branch of the Institute of the Ministry of Geodesy and Cartography of the USSR. Dr. V. P. Shashikyan spoke on "The characteristics of atmospheric circulation and the circulation of the atmosphere above the Adriatic." Dr. G. G. Savenko and Dr. L. S. Agopyan spoke on "The characteristics of the

Atmos.
Series:

Periodicals:
Abstracts:

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circulation processes above Transcaucasia. Dr. A. Sabachishvili spoke on "The typification of synoptic processes caused by the Tbilisi hydrometeorological institute and two papers on theoretical questions of dynamic meteorology. V. E. Giorgishvili and V. P. Lomidze spoke on "The present state of the Tbilisi geophysical branch." Dr. Shashikyan spoke on "The great anomalies of precipitation in West Georgia." Dr. G. G. Savenko on "Atmospherical variability in cloudiness." Dr. L. S. Agopyan (co-author) on "The interannual variability in the circulation of the atmosphere and frontogenesis in the mountains of West Georgia." Dr. G. G. Savenko and Dr. L. S. Agopyan on "The circulation of the atmosphere and frontogenesis in the mountains of West Georgia." In the course of 24 hours, Dr. V. P. Shashikyan on "Atmospheric energy reserves of Georgia," Dr. G. G. Savenko and Dr. L. S. Agopyan on "The altitude of the East Caspian Sea." Dr. D. Dzhaparidze on "The variability of the atmosphere in Tbilisi and Tbilisi's influence on the albedo of different natural surfaces." Dr. G. G. Savenko (co-author) on "Ground temperature conditions in Tbilisi." V. P. Shashikyan on "The method developed by him for forecasting the number of days with ice back." V. P. Shashikyan spoke on "The circulation of the volume of meltwater supply in floods." Dr. P. Petushkova (one of the leaders of the hydrological forecasters of the atmospheric sciences of the Armenian SSR) spoke on "The characteristics of the formation of the winter water supply for spring floods on the rivers of Armenia. A. A. Tsvetkov on "The periodicity (years of the Araksyanaya SR) related to the periodicity of the snow cover water supply for spring floods on the rivers of Armenia. L. Z. Svanidze spoke on "The nature of forecasting, mainly seasonal, in the oil-bearing regions of Armenia. N. P. Sholytsya and Dr. I. Tsvetkov spoke on "The periods before the opening of rivers in Armenia." Dr. E. Kamalishvili, Dr. A. Efimashvili, Dr. G. T. Charkashina, Dr. L. A. Efimashvili, Dr. G. T. Charkashina spoke on the meteorological conditions of the Lashbaliants'kyy village in the Araksyanaya SR. In all, 27 papers were read.

Case 2/3

Case 3/3

KANDELAKI, O.M.; ENFIADZHYAN, L.A.; CHERNYSH, N.S.

Microclimatic conditions of the Lambalu massif in the Armenian
S.S.R. Trudy Tbil. NIGMI no.5:200-208 '59. (MIRA 13:6)
(Lambalu region--Microclimatology)

ENFIADZHYAN, L.A.

Agrometeorology in A.B.Bagdasarian's book "Climate of the Armenian
S.S.R." Meteoer.i gidrol. no.7:49-51 Jl '60. (MIRA 13:7)
(Armenia—Crops and climate)
(Bagdasarian, A.B.)

ENFIADZHYAN, L.A.

A very strong tornado. Priroda Sl no.1:89-90 Ja '62.
(MIRA 15:1)

1. Upravleniye gidrometsluzhby Armyanskoy SSR, Yerevan.
(Armenia--Tornadoes)

ENFIADZHYAN, L.

Using unheated greenhouses in enterprises. Prom.Arm. 6 no.7:24-25
Jl '63. (MIRA 16:9)

1. Upravleniye Gidrometeorologicheskoy sluzhby ArmSSR.

SOV/137-58-7-14201

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 34 (USSR)

AUTHORS: Grigoryan, A. L., Enfiadzhyan, M. A.

TITLE: Thermal Analysis of the Compound MoO₃ + CuO. Communica-
tion Nr 1. (Termicheskiy analiz sistemy MoO₃+CuO. Soob-
shcheniye 1)

PERIODICAL: Sb. nauchn. tr. Yerevansk. politekhn. in-t, 1957, Nr 16,
pp 131-135

ABSTRACT: A fusibility diagram of the compound CuO + MoO₃ was con-
structed by means of thermal analysis. The primary compo-
nents were obtained from analytically pure reagents. The CuO
was prepared by the Kazantsev method and then held at 800-900°C
for two hours for dehydration. To obtain MoO₃, molybdic acid
was first heated for dehydration, then the resulting oxide was
sublimated. During the melting of the mixture the melt was
mixed to prevent it from becoming supercooled. The rate of
cooling in the turned-off furnace in the range of test tempera-
tures did not exceed 5-8 degrees C/min. The temperature was
measured by a Pt/Pt-Rh thermocouple, calibrated on pure
salts. Precision of measurements was ±3°C; the time was

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SOV/137-58-7-14201

Thermal Analysis of the Compound (cont.)

marked every 20 sec; the weight of the mixture was 30-35 g. It was established that the fusion temperature of sublimated MoO₃ is 795°. CuO begins to decompose at 1026° and does not melt up to 1080°. MoO₃ has no polymorphic transformations with measurable thermal effects up to the melting point. The presence of two eutectics with fusion temperatures of ~ 600° with the composition of 88% MoO₃ and 12% CuO and ~ 645° at 70% CuO and 30% MoO₃, also the presence of a Cu molybdate (CuMoO₄) having a melting point of ~700°, was established.

1. Copper oxide-molybdenum oxide systems--Analysis
2. Copper oxide-molybdenum oxide systems--Temperature factors

T. M.

Card 2/2

SHORYGINA, N.V., kand.khim.nauk; ENFIADZHYAN, M.A., inzh.

Improving the permeability of seamless mastic floors. Stroi. mat. 7
no.2:34-35 F '61. (MIRA 14:3)
(Floors, Concrete) (Vinyl polymers)

SHORYGINA, N.V., kand.khimicheskikh nauk; ENFIADZHYAN, M.A., inzh.

Increasing the water resistance of polyvinyl acetate mastic
floors. Stroi. mat. 8 no.4:34-35 Ap '62. (MIRA 15:8)
(Mastic) (Floors)

TESLENKO, G.I., otv. red.; KHAMRABAYEV, I.Kh., otv. red.;
ENGALYCHEVA, D.Z., red.; SHAKIROVA, M.R., red.

[Study of the geology of the U.S.S.R.] Geologicheskais.
izuchenost' SSSR. Tashkent, Nauka, Vol.35. No.1. 1965.
259 p. (MIRA 18:7)

ENGEL', A.S.; AVRAMEJKO, P.A.

Improving radial caprone-(polypropylene)-metal supports for
turbodrills. Neft. i gaz. prom. no.4:32-33 O-D '64
(MIRA 18:2)

ENCLOSURE, A.S.; AVRAMENKO, P.S.

Using electric bits in the Shatelinsk gas field. Neft. i gaz.prom.
no. 1175-37 Ja-Mr 145. (MIRA 18:8)

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041211



APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041211C

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041211



APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041211(

MURZOVA, R.M.; RAYKOVA, I.A., doktor biol. nauk, otd. red.;
ENGALYCHEVA, D.Z., red.

[Pegamum crithmifolium and the possibilities for its
introduction into cultivation] Miagkoplodnik rassechen-
nolistnyi i vozmozhnosti vvedeniia ego v kul'turu.
Tashkent, Izd-vo "Nauka," UzSSR, 1965. 45 p.
(MIRA 18:12)

ENGARDT, N.N.

USSR/Processes and Equipment for Chemical Industries - Control and Measuring Devices.
Automatic Regulation, K-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 64001

Author: Engardt, N. N.

Institution: None

Title: Investigation of Platinum-Platinum, Rhodium Thermocouples of Higher
Purity Materials

Original
Periodical: Izmerit. tekhnika, 1956, No 2, 20-23

Abstract: Reported is a procedure for making new platinum-platinum, rhodium
thermocouples from materials of higher purity with a R_{100}/R_0 ratio
close to 1.3922-1.3924 in lieu of the previously produced platinum
of "Extra" grade the purity of which was characterized by a ratio
 $R_{100}/R_0 = 1.391$. Presented are the results of investigations con-
cerned with ascertaining the degrees of stability of their readings
and determination of the progression course of the calibration curve
in the region of extrapolation of thermo emf. Calibration of

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USSR/Processes and Equipment for Chemical Industries - Control and Measuring Devices.
Automatic Regulation, K-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 64001

Abstract: thermocouples made of materials of higher purity was effected in shaft furnaces on the basis of the solidification points of the metals: Cd, Zn, Sb, and eutectics Ag = Cu, Ag = Au = Cu. Thermo emf of the thermocouples measured during ~200 hours of operation, at the reference points show a nonreproducibility of values not exceeding 2-3 μ V. Thermocouples made from "Extra" grade Pt usually show a consistent change in magnitude of thermo emf by 5-10 μ V within 100-150 hours of operation, which corresponds to 0.5-1.0°. The desirability is pointed out of evolving calibration characteristics for the new thermocouples in accordance with the quadratic formula with the reference points: Cd, Sb, Cu, since the resulting deviations of experimental data from the calculated are in this case minimal and $\leq 0.06^{\circ}$ within the entire temperature interval from 300 to 1,100°. Described are the procedures and presented are the results of calibration of the thermocouples at temperatures $> 1,100^{\circ}$.

Card 2/2

Engeithaler, K.; Chroust, F.

Ceramic faced bricks of L type. p.106

(Stavivo. Vol. 35, no. 3, Mar. 1957 Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957 Uncl.

LORBERG, M.G., inshener; MINAYEV, A.P. (Leningrad); SOTNIKOV, B.I.;
ENGEL', R.V.; RADOSTAYEV, N.I.; VOROB'YEV, A.S.; MINASYAN,
T.S.; BAKSHMYEVA, S.I. (Moskva); KOROCHANSKIY, V.K. (Moskva).

Combined work teams as an untapped resource in raising labor
productivity. Stroi. prom. 33 no.11:5-14 N '55. (MLRA 9:2)

1.GPI Leningradskiy Promstroyprojekt (for Lorberg).2.Magnito-
stroy (for Sotnikov).3.Liskhimpromstroy (for Engel').4.Tagil-
stroy (for Radostayev).5.Trest Kaspmorstroy (for Vorob'yev).
6.Stroitel'noye upravleniye No.3 tresta Arbeftezavodstroy
(for Minasyan).

(Construction industry)

Z/009/60/000/01/036/038
E112/E253

AUTHORS: Gregor, F., and Engel, E.

TITLE: Course of Alkaline Saponification of Polyvinyl Acetate
in a Mixture of Methyl Alcohol - Methyl Acetate

PERIODICAL: Chemicky průmysl, 1960, Nr 1, pp 53-55

ABSTRACT: Polyvinyl alcohol is produced by alkaline saponification of polyvinyl acetate. Saponifying agents are anhydrous methyl alcohol and a small amount of sodium methylate. In contrast to older methods this is an alcoholytic process and by-products of the reaction are a mixture of methyl acetate and methyl alcohol. Since the saponification is normally carried out with a 15 to 20% solution of polyvinyl acetate the method necessitates a separation by distillation of large quantities of the mixture methyl acetate- methyl alcohol. This increases costs of production and the authors have studied therefore the possibility of using a mixture of methyl acetate methyl alcohol for the saponification process instead of pure methyl alcohol. The feasibility of the process is summarized in a table indicating that polyvinyl alcohol of desired properties can be obtained if the content of methyl acetate in the reaction mixture does not exceed

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Z/009/60/000/01/036/038
E112/E253

Course of Alkaline Saponification of Polyvinyl Acetate in a
Mixture of Methyl Alcohol - Methyl Acetate

60%. Under these conditions the polyvinyl alcohol can be filtered off readily and the filtrate can be used without further purification for the saponification of further batches. The authors have shown that it is possible to produce without separation and purification of the reaction medium by fractional distillation, eleven consecutive batches. Experimental details: Pearl polyvinyl acetate is dissolved in the appropriate solvent mixture in a round bottomed flask, fitted with stirrer and reflux condenser. The temperature is brought to 50°C and sodium methylate is added through the reflux condenser. Stirring is continued and after some time the solution thickens and the polyvinyl alcohol separates later as a compact gel. Rapid stirring converts it into a powder. Ease of filtration of separated polyvinyl alcohol is a point to which particular attention is paid. A graph is given, showing the effect of polyvinyl acetate concentration in the solvent on the number of processes

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E112/E253

Course of Alkaline Saponification of Polyvinyl Acetate in a
Mixture of Methyl Alcohol - Methyl Acetate

which can be operated from the same solvent mixture.
There are 3 figures, 2 tables and 3 references, 1 of
which is Czech and 2 German.

ASSOCIATION: Výskumný ústav prepetrochémie, Nováky
(Research Institute for Petrocarbon Chemistry, Nováky)

SUBMITTED: August 28, 1959

Card 3/3

ENGEL, E.

Distr: 4E2c(j)

✓ Course of alkaline saponification of poly(vinyl acetate) in
a mixture of methyl alcohol-methyl acetate. František
Gregor and Ervin Engel (Výzk. ústav pre petrochémiu
Nováky, ČSSR). Chem. průmysl 10, 63-8 (1960). — To in-
crease the economical efficiency, the influence has been
studied of the presence of MeOAc on the sapon. of 20 g.
poly(vinyl acetate) + 0.4 g. NaOH in 300 g. of a mixt. of
MeOAc + MeOH at 50°, the content of MeOAc in the sol-
vent mixt. being varied between 0 and 98% by wt.; time of
reaction = 140 min. From the results obtained it is con-
cluded that the reaction can be carried out in the presence of
MeOAc up to 60%, the content of acetyl groups increasing
from 3.67% for 0% MeOAc to 6.0% for 60% MeOAc; the
no. of sapon. carried out without sepn. of MeOAc from the
solvent mixt. can be increased to 11. J. Šebenda

4
1-jpg (NB)

ENGEL, Frantisek, generalmajor MUDr.; RICKA, Jan, plukovník MUDr

20 years of medical service of the Czechoslovak People's Army.
Voj. zdrav. listy 34 no.3:93-96 Je '65.

ENGEL', F.F., ENG.

Tsimlyansk-Drainage

Artificial lowering of the ground water level. Mekh. trud. rab. 6 No.7, 1952

Monthly List of Russian Accessions, Library of Congress, October 1951, UNCLASSIFIED

1. ENGEL', F. F., Eng.
2. USSR (600)
4. Kuybyshev Hydroelectric Power Station
7. Lowering the water level at the Kuybyshev hydro construction project. Mekh trud rab.
No. 12 1952
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ENGEL', F.F.

1. BURDAK, N.M.; MUKHIN, A.A.; ENGEL', F.F.

2. USSR (600)

4. Drainage

7. New method for lowering the water level, N.M. Burdak, A.A. Mukhin, F.F. Engel'.
Mekh.trud.rab. 7 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

ENGEL', F. F.

USSR/Engineering

Card 1/1

Author : Engel', F. F., engineer
Title : Deep water pumping
Periodical : Nauka i Zhizn' 21/2, 3-6, Feb/1954
Abstract : The work of building the Kuibyshev State Electric Power Plant has been going on for three years. Water is kept out of the excavations by lowering the ground water. This is done by sinking wells. These are similar to oil wells with tubing and filters. There are about 450 such wells over an area of about 80 hectares. The water is pumped out of these wells and compressed air is used to put pressure on the walls and force the water up. Drawings.
Institution :
Submitted :

~~ENGEL', F.F.~~, laureat Stalinskoy premii.

Control of ground water at the Kuybyshev Hydroelectric Power Station
site. Mekh.trud.rab. 9 no.12:27-28 D '55. (MLRA 9:5)

1. Nachal'nik rayona spetsial'nykh rabot Kuybyshevgidrostroya.
(Water, Underground) (Kuybyshev Hydroelectric Power Station)

SOV/112-57-9-18491

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9, p 57 (USSR)

AUTHOR: Engel', F. F.

TITLE: Water-table Lowering at Kuybyshevgidrostroy
(Proizvodstvo vodoponizitel'nykh rabot na Kuybyshevgidrostroye)

PERIODICAL: V sb.: Opyt iskusstv. ponizheniya urovnya grunt. vod na str-ve
gidroelektrostantsiy, M.-L. Gosenergoizdat, 1956, pp 7-15

ABSTRACT: Bibliographic entry.

Card 1/1

ENGEL, F.F.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.;
BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVAY, G.A.; BULAV, M.Z.; BURAKOV,
N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSCHININ, A.P.;
GALAKTIONOV, V.D., kand. tekhn. nauk; GEMKIN, Ye.M.; GIL'DENBLAT,
Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLIMBOV, P.S.; GODES, B.G.;
GORBACHOV, V.N.; GRZHIB, B.V.; GUSKULOV, L.F., kand. s.-kh. nauk;
GRUDZINSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO,
Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK,
A.P.; ZENKINICH, D.K.; ZIMAROV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.;
KARANOV, I.F.; KNYAZEV, S.N.; KOLEMAJEV, N.M.; KOMAREVSKIY, V.T.;
KOSENKO, V.P.; KOZHNESTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.;
KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; IGALOV, V.G.;
LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKOVICH, K.P.; MEL'NICHENKO,
K.I.; MONDULEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk;
MUSILOVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVTS, I.S.;
OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PRYSHKIN,
G.A., prof.; P'YANKOVA, Ye.V.; RAPOORT, Ya.D.; RIMMZOV, N.P.;
ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.;
RYBACHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.;
SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY,
Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA,
Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.;
TSISHOVSKIY, P.M.; CHEKKASOV, M.I.; CHERNYSHOV, A.A.; CHUSOVITIN,
N.A.; SHESTOPAL, A.O.; SHKREHTER, P.A.; SHISHKO, G.A.; SHCHEGBINA,
I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY,

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.
Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BAIASHOV,
Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNIN,
P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent,
red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F.,
GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; KERMOLOV, A.I.,
retsenzent, red.; GULAYEV, I.N., retsenzent, red.; KARAULOV, B.F., retsenzent,
kand. tekhn. nauk, retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent,
red.; LIKIN, V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; LUSKIN, Z.D.,
retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MENDELEYEV,
D.M., retsenzent, red.; MINKEL', M.F., doktor tekhn. nauk, retsenzent,
red.; OBHEZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent,
red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent,
red.; SYABCHIKOV, Ye.I., retsenzent, red.; STASHEKOV, N.G., retsen-
zent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V.,
prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.R., retsen-
zent, red.; FEDOROV, Ye.M., retsenzent, red.; SHIVYAKOV, M.N.,
retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ia.
[deceased], akademik, glavnnyy red.; RUSSO, G.A., kand. tekhn. nauk,
red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.;
ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.;
LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.;
MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN,
N.V., red.; SOBOLEV, V.P., red.; VERRINGER, B.P., red.; VRYGOFER,

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.
Ye.J., red.; TSYPLAKOV, V.D. [deceased], red.; KORABL'INOV, P.N.,
tekhn. red.; GEMKIN, Ya.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn.
red.

[Volga-Don; technical account of the construction of the V.I. Lenin
Volga-Don Navigation Canal, the Tsimlyansk Hydroelectric Center,
and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'-
stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSim-
lyanskogo gidroksla i orositel'nykh sooruzhenii, 1949-1952; v piati
tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural
descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk.
Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of con-
struction. Specialized operations in hydraulic engineering] Orga-
nizatsiya stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.
(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 4.
Glav. red. S. IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.
(MIRA 11:9)
1. Russia (1923- . U.S.S.R.) Ministerstvo elektrostantsii. Byuro
tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-kor-
respondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy
chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin,
Rasin).
(Volga Don Canal—Hydraulic engineering)

AUTHOR: Engel', F.F., Engineer SOV/98-58-11-4/15

TITLE: Water-Lowering Operations During the Construction of the
Kuybyshev Hydraulic System (Vodoponizitel'nyye raboty pri
sooruzhenii Kuybyshevskogo gidrouzla)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 11, pp 21-24
(USSR)

ABSTRACT: The water-lowering operations conducted when the foundation
ditch for the Kuybyshev Hydroelectric Power Plant was exca-
vated, are described in this article. They consisted main-
ly in the high-speed drilling of bore-wells for the in-
stallation of filtering columns. There are 3 diagrams.

1. Construction—USSR 2. Water—Control

Card 1/1

AUTHOR: Engel', F.F., Engineer

SOV/98-58-12-15/21

TITLE: Ground Water Lowering by Hydrotechnical Engineering in the
GDR (Stroitel'noye vodoponizheniye v GDR)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 12, pp 48 -
49 (USSR)

ABSTRACT: The author advocates a method of lowering the ground water
level which is applied in East Germany and which is said to
be better and easier than the method used in the USSR, where
heavy drilling equipment, drive pipes and expensive deep
water suction pumps have to be applied. There are 3 dia-
grams and 2 tables.

Card 1/1

SHESTOPAL, Aleksandr Osipovich, inzh.; FUKSON, M.M., kand.tekhn.nauk,
reteazent; SHESTAKOV, V.M., kand.tekhn.nauk. reteazent;
ENGEL', F.F., inzh., reteazent; PETROV, G.D., inzh., nauchnyy
red.; OHLOV, A.G., inzh., nauchnyy red.; MAR'YANSKIY, L.M.,
inzh., red.; AKULOV, D.A., tekhn.red.

[Using hydraulic methods in submerging pipes, piles, and pile
planks] Gidravlicheskoe pogruzhenie trub, svai i shpunta.
Moskva, Gidroproyekt, 1959. 67 p. (MIRA 13:6)
(Pipelines) (Piling (Civil engineering))

ENGEL', F.F., inzh.

Soil stabilization and operations for lowering the water table in
the German Democratic Republic. Gidr. stroi. 30 no.10:58-61 o '60.
(MIRA 13:10)

(Germany, East—Soil stabilization) (Drainage)

ENGEL', F.F., inzh.

Some remarks on the desings of boreholes for water-supply systems
and for the lowering of the water table. Otdr.stroi 31. no12:19-22
(MIRA 14:3)
F '61.
(Water, Underground)

SHESTOPALOV, Aleksandr Osipovich, kand. tekhn. nauk; BONDARENKO,
Viktor Ivanovich, inzh.; KOSTROV, I.N., inzh., retsenzent;
ENGEL', F.F., inzh., nauchnyy red.; GENKIN, Ye.M., red.;
SEMUSHKIN, I.S., tekhn. red.

[Lowering the water level in the construction of the Volga
Hydroelectric Power Station (22d Congress of the CPSU)] Vo-
doponizhenie na stroitel'stve Volzhskoi gidroelektrostantsii
imeni XXII s"ezda KPSS. Moskva, Gidroproyekt, 1962. 86 p.
(MIRA 17:4)

ALEKSEYEV, G.P.; ANDON'YEV, V.S.; ARNGOL'D, A.V.; BASKIN, S.M.;
BASHMAKOV, N.A.; BEREZIN, V.D.; BERMAN, V.A.; BIYANOV, T.F.;
GORBACHEV, V.N.; GRECHKO, I.A.; GRINBUKH, G.S.; GROMOV, M.F.;
GUSEV, A.I.; DEMENT'YEV, N.S.; DMITRIYEV, V.P.; DUL'KIN, V.Ya.;
ZVANSKIY, M.I.; ZENKEVICH, D.K.; IVANOV, B.V.; INYAKIN, A.Ya.;
ISAYENKO, P.I.; KIPRIYANOV, I.A.; KITASHOV, I.S.; KOZHEVNIKOV,
N.N.; KORMYAGIN, B.V.; KROKHIN, S.A.; KUDOYAROV, L.I.;
KUDRYAVTSEV, G.N.; LARIN, S.G.; LEDEDEV, V.P.; LEVCHENKOV,
P.N.; LEMZIKOV, A.K.; LIPGART, B.K.; LOPAREV, A.T.; MALYGIN,
G.F.; MILOVIDOVA, S.A.; MIRONOV, P.I.; MIKHAYLOV, B.V., kand.
tekhn. nauk; MUSTAFIN, Kh.Sh., kand. tekhn. nauk; NAZIMOV, A.D.;
NEFEDOV, D.Ye.; NIKIFOROV, I.V.; NIKULIN, I.A.; OKOROCHKOV, V.P.;
PAVLENKO, I.M.; PODROBINNIK, G.M.; POLYAKOV, G.Ya.; PUTILIN, V.S.;
RUDNIK, A.G.; RUMYANTSEV, Yu.S.; SAZONOV, N.N.; SAZONOV, N.F.;
SAULIDI, I.P.; SDORNIKOV, D.V.; SEMEROV, N.A.; SKRIPCHINSKIY, I.I.;
SOKOLOV, N.F.; STEPANOV, P.P.; TARAKANOV, V.S.; TREGUBOV, A.I.;
TRIGER, N.L.; TROITSKIY, A.D.; FOKIN, F.F.; TSAREV, B.F.; TSETSULIN,
N.A.; CHUBOV, V.Ye., kand. tekhn. nauk; ENGEL', F.P.; YUROVSKIY,
Ya.G.; YAKUBOVSKIY, B.Ya., prof.; YASTREBOV, M.P.; KAMZIN, I.V., prof.,
glav. red.; MALYSHEV, N.A., zam. glav. red.; MEL'NIKOV, A.M., zam.
glav. red.; RAZIN, N.V., zam. glav. red. i red. toma; VARPAKHOVICH,
A.F., red.; PETROV, G.D., red.; SARKISOV, M.A., prof., red.;
SARUKHANOV, G.L., red.; SEVAST'YANOV, V.I., red.; SMIRNOV, K.I.,
red.; GOTMAN, T.P., red.; BUL'DYAYEV, N.A., tekhn. red.

(Continued on next card)

ALEKSEYEV, G.P.---(continued). Card 2.

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaya gidroelektrostantsiya; tekhnicheskii otchet o proektirovaniii i stroitel'stve Volzhskoi GES imeni V.I.Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat. Vol.2.[Organization and execution of construction and assembly work] Organizatsiya i proizvodstvo stroitel'no-montazhnykh rabot. Red. toma: N.V.Razin, A.V.Arngol'd, N.L. Triger. 1962. 591 p. (MIRA 16:2)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Razin).
(Volga Hydroelectric Power Station (Lenin)--Design and construction)

ZENGEL', G.A.

Electric apparatus and Appliances

Rod with magnifying mirror for inspection of high voltage installations, Rab, energ, 2,
no. 1, 1952.

Monthly List of Russian Accassions, Library of Congress, May 1952, UNCLASSIFIED.

ENGEL, G.A.

AUTHOR: Bar, I.G. and Engel G.A., Engineers. 104-4-20/40
TITLE: The first year of operation of mechanised repair stations.
(Pervyy god eksploatatsii remontnykh mekhanizirovannykh
stantsiy.)
PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957,
Vol. 28, No.4, pp. 67-70 (U.S.S.R.)

ABSTRACT: Recent increases in the volume of repair and operational work on transmission lines that has resulted from extension of the lines has obliged the operating staff to reorganise their work and to improve its technical basis. With this end in view in 1955-56 the power systems created 150 mechanised repair stations and in 1957 a further 14. Mechanised repair stations represent a new type operational organisation which replace line sections. Repair and operational work on the lines is carried out by centralised complex methods. With these methods the work can be carried out in two or three patrols with great economy of time as compared with piecemeal repair in which the repair squads repaired individual defective elements and wasted much time on going from one place to another and in climbing up and down poles. With complex organisation of repair work the brigade carries out the greatest possible amount of work every time that it goes out on

1/2

8(6)

SOV/112-59-5-8841

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 61 (USSR)

AUTHOR: Barg, I. G., and Engel', G. A.

TITLE: Experience With Mechanized Repair Stations in High-Voltage Power Networks

PERIODICAL: Naladochnyye i eksperim. raboty ORGRES, Nr 15, 1958, pp 36-42

ABSTRACT: Experience is described with using the combined method of line work in electrical networks. Experimental models of specialized machines and mechanisms were developed: line-type automobile, three-part telescopic towers, automobile boring machine with a crane, a machine for replacing parts of wooden towers, etc. Data is presented that characterizes the efficiency of such mechanized repair stations and also their economy. Ways for further developing and adopting the combined repair methods in electric networks are mapped out.

F.F.V.

Card 1/1

SOV/91-59-2-2/33

AUTHORS: Popov, V. V., and Engel, G. A., Engineers

TITLE: The Factory-Like Impregnation of Wood under Local Conditions
(Zavodskaya propitka drevesiny v mestnykh usloviyakh)

PERIODICAL: Energetik, 1959, Nr 2, pp 3 - 6 (USSR)

ABSTRACT: The service time of the wooden elements of electric and communication power lines, well-impregnated with oil anti-septics, reaches up to 50 years, provided that wood was subjected to drying of the alburnum and the pith to such an extent that the humidity did not exceed 20%. The salvaged old wooden elements of the lines, such as the poles, can be utilized up to 50% in the form of smaller wooden components, which necessitates new impregnation. ORGRES has designed an impregnating unit usable under local conditions. One such unit was assigned to every district of the power and communication network. The article describes the structural features, operational process and operational cost of such an impregnating plant. It needs only three attendants, and its optimal capacity can be 3000 m³ of wood per three-shift work-day. It states, that the expenses involved in the construct-

Card 1/2

SOV/91-59-2-2/33

The Factory-Like Impregnation of Wood under Local Conditions

ion of such a plant would be compensated for in about 1½ years, through low operational cost, recurrent use of old wood in smaller and smaller forms, and elimination of the need to use railroads for transportation of wood to and from standard impregnating plants. There is one photo, one table, one graph and one diagram.

Card 2/2

8(3)

SOV/91-59-6-2/33

AUTHORS: Engel', G.A. and Drukman, R.B., Engineers

TITLE: On the Tables of Permanent Personnel Strength on the
Lines of 35-220kv Power Networks

PERIODICAL: Energetik, 1959, Nr 6, pp 4-5 (USSR)

ABSTRACT: This article presents the results of a study on the utilization of maintenance personnel on 35-220kv power lines, conducted by the OGRES in 18 network districts. The study revealed a lack of uniformity in allocating personnel and showed that up to 16.5% of the total work time used is spent on work outside of assigned duties, such as on the new construction and reconstruction projects. The down time, time spent on travel to place of work, on handling supplies, etc., amounted to 23.5% of the total. The creation of mechanized repair stations (RMS) and a series of technical improvements in servicing the lines, combined with better utilization of available

Card 1/2

SOV/91-59-6-2/33

On the Tables of Permanent Personnel Strength on the Lines of
35-220kv Power Networks

maintenance personnel, would permit a drop of 550 repairmen and 20 foremen in 18 districts alone. The work norms should specify that one repairman service 26 km of the power network, one foreman 225-280 km of the power network, which would result in an increase of labor productivity by 25%. In areas difficult to traverse, the above length of power line per worker must be reduced by 20%. In a footnote, the editing office invites the readers to make their suggestions on the above matter.

Card 2/2

SOV/91-59-8-20/28

8(6)
AUTHOR:

Engel', G.A., Engineer

TITLE:

Installing an Insulated Ladder on a Telescope Mount

PERIODICAL:

Energetik, 1959, Nr 8, p 29 (USSR)

ABSTRACT:

The author describes a method of installing an insulated ladder on the mount of a telescopic tower. About 25-30 minutes are required for exchanging the telescopic tower against the ladder. The exchange of the telescopic tower against an insulating ladder was first suggested at Uzbekenergo. For this purpose, a special frame was designed for a convenient removal of the telescopic tower, as shown in fig. 1. The installation of the insulating ladder instead of the telescopic tower is shown in fig. 2. The insulating ladder is used for work on 35-110 kv lines without switching off the voltage and for various other maintenance work on power lines. There are 2 diagrams.

Card 1/1

POPOV, V.V., inzh.; ENGEL', G.A., inzh.

Mechanized impregnation of wood under local conditions. Energetik
(MIRA 12:1)
7 no2:3-6 F '59.
(Electric lines—Pipes)

DRUKMAN, R.B., inzh.; ENGEL', G.A., inzh.

"Grounding systems" from the new "Regulations for operating
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(MIRA 14:8)
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